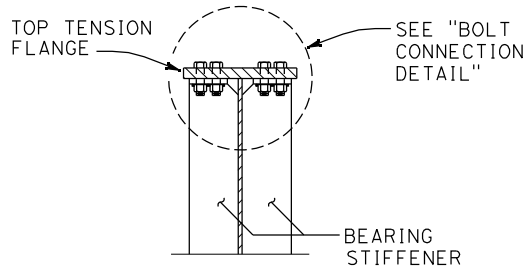
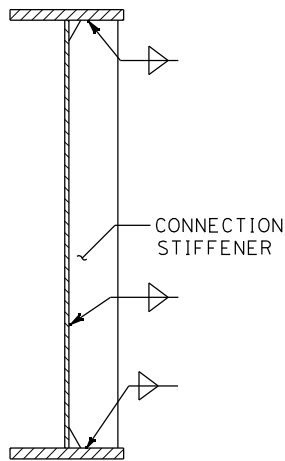


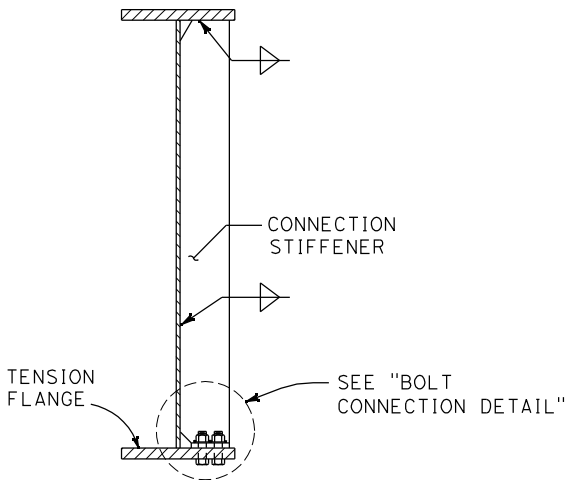
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
X	X	X	X	X	X
REGISTERED CIVIL ENGINEER			X	DATE	
PLANS APPROVAL DATE			No. X		
			Exp. X		
			CIVIL		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



ALTERNATIVE 3
BOLTED CONNECTION



ALTERNATIVE 1
WELDED CONNECTION



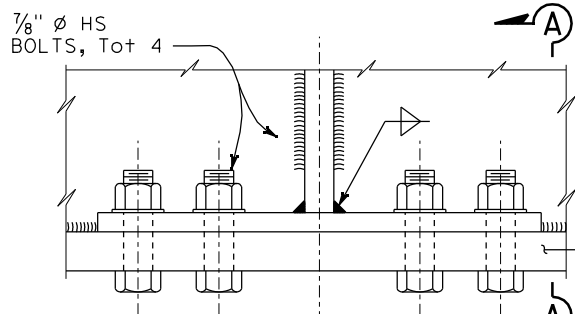
ALTERNATIVE 2
BOLTED CONNECTION

CONNECTION STIFFENER

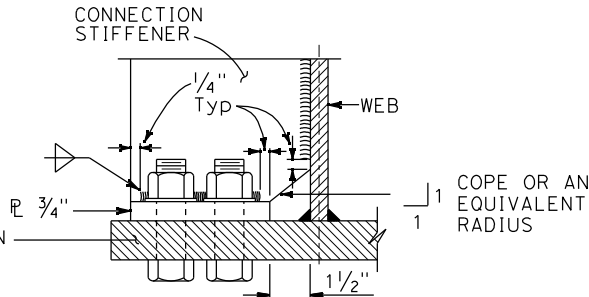
CROSS FRAME OR DIAPHRAGM NOT SHOWN
(ONE-SIDE STIFFENER SHOWN, OTHER SIDE SIMILAR)

NOTES:

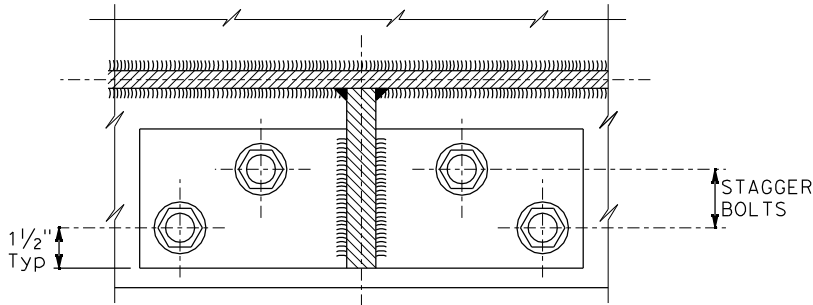
- For stiffener sizes see Project Plan sheets.
- Fillet Weld size to be minimum size from Project Specifications unless otherwise shown on Project Plan sheets.
- See Project Plan sheets for locations where where bolted connection is required.



ELEVATION



SECTION A-A



PLAN VIEW

BOLT CONNECTION DETAIL

FOR 3/4" PLATE:
WIDTH TO BE AS DRAWN.
LENGTH TO BE MINIMUM TO PROVIDE FOR INSTALLATION
CLEARANCE AND 2 5/8" C-C BETWEEN ADJACENT BOLTS.

Note to Designer: (remove this note before printing)

The weld between the connection stiffener and the flange or the tab plate shall be designed for lateral loads.

The bolts connecting tab plate and the flange shall be designed for lateral loads.

The detail sheets must define locations where the bolted connection is required.

The detail sheets must define locations where the weld size required is larger than the minimum.

STANDARD DRAWING		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES		BRIDGE NO. X		X	
FILE NO. xs1-410-3	APPROVAL DATE July 2011					POST MILE X		STEEL GIRDER CONNECTION STIFFENER DETAILS	
DS OSD 2147A (ENGLISH STANDARD DRAWING "XS" BORDER REV. (02-02-11))		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3		UNIT: X PROJECT NUMBER & PHASE: X		CONTRACT NO.: X	
						DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES SHEET OF X X	